

EverGuard® TPO 60 mil Membrane

Applicable Standards

UL Listed, FM Approved, Miami-Dade County Approved, Florida Building Code Approved, CRRC Listed, Title 24 Compliant*, ENERGY STAR® Qualified**, ASTM D6878.

Physical Properties	ASTM Test Method	ASTM D6878 Minimum	EverGuard® Typical Test Data
1. Certain data is provided in MD (machine direction) x CMD (cross machine direction) format. 2. Data is based upon typical product performance, and is subject to normal manufacturing tolerance and variance.			
Nominal Thickness	ASTM D751	0.039" (min.) [0.99 mm]	0.060" [1.52 mm]
Breaking Strength	ASTM D751 Grab Method	220 lbf/in. [38.5 kn/m]	305 lbf x 290 lbf (454 x 432 kg/m)
Factory Seam Strength	ASTM D751	66 lbf [98.34 kg/m]	135 lbf (membrane failure) [201.1 kg/m]
Elongation at Break	ASTM D751	15%	30%
Heat Aging	ASTM D573	90% Retention of Breaking Strength and Elongation at Break	100%
Tear Strength	ASTM D751 8" x 8" [203 x 203 mm] Sample	55 lbf [81.95 kg/m]	75 lbf x 130 lbf [111.8 x 193.7 kg/m]
Puncture Resistance	FTM 101C Method 2031	Not Established	380 lbs. [172 kg]
Cold Brittleness	ASTM D2137	-40°C	-40°C
Permeance	ASTM E96	Not Established	0.08 Perms
Dimensional Change	ASTM D1204 @158°F (70°C), 6 hrs.	+/-1%	0.4%
Water Absorption	ASTM D471 @158°F (70°C), 1 week	+/-3.0% (top coating only)	0.7%
Hydrostatic Resistance	ASTM D751 Method D	Not Established	430 psi
Ozone Resistance	ASTM D1149	No visible deterioration @ 7 x magnification	No visible deterioration @ 7 x magnification
Reflectivity (white) Initial/Aged	ASTM C1549	N/A	0.76/0.68
Emissivity (white) Initial/Aged	ASTM C1371	N/A	0.90/0.83
Weather Resistance	ASTM G155/D6878	10,080 KJ/[m² · nm] at 340 nm	>25,000 KJ/[m² · nm] at 340 nm
Heat Aging	ASTM D573	240°F [115°C] for 32 weeks	60 weeks
Thickness Above Scrim	ASTM D7635	Min 30% of Total Thickness	22.1 mil (Nominal)
Guarantee			
Up to 25 years			

*White, Energy Gray, and Energy Tan Membranes Only

**ENERGY STAR® only valid in the USA

Product Data

Roll Size	Note: Product sizes, dimensions, and widths are nominal values and are subject to normal manufacturing/packaging tolerance and variation.				
	Colors	Full Size Roll	Full Roll Weight	Half Roll Size	Half Roll Weight
	White, Tan, Gray, Energy Tan, Energy Gray	10' x 100' (3.05 x 30.5 m) (1,000 sq. ft. [92.9 sq.m])	322 lbs. (146 kg)	5' x 100' (1.52 x 30.5 m) (500 sq. ft. [46.5 sq.m])	162 lbs. (73.5 kg)
		8' x 100' (2.44 x 30.5 m) (800 sq. ft. [74.3 sq.m])	257 lbs. (117 kg)	4' x 100' (1.21 x 30.5 m) (400 sq. ft. [37.1 sq.m])	128.8 lbs. (58.4 kg)
	Note: Membrane rolls shipped horizontally on pallets, stacked pyramid-style and banded.				
Storage	Store rolls on their sides on pallets or shelving in a dry area.				
Safety Warning	Membrane rolls are heavy. Position and install by at least two people.				